**Transthoracic echocardiography**

**PLAX: Parasternal Long Axis**
- The transducer is placed in 3rd/4th Intercostal space (for LV)
- The transducer is placed in 2nd/3rd Intercostal space (for Aorta)
- Depth 12-16 cm
- Orientation marker at 10 o’clock (Right shoulder)

**SAX: Parasternal Short Axis**
- Same position as LAX but with 90° clockwise rotation
- Orientation marker at 2 o’clock (left shoulder)

**A4C: Apical 4 Chambers**
- The transducer is placed on the apical impulse
- Depth: 14-18 cm
- Transducer orientation marker at 3 o’clock

**A2C: Apical 2 Chambers**
- Same position as Apical view but with 90° counterclockwise rotation
- Transducer orientation marker to the left shoulder

**APLAX: Apical 3 Chambers**
- The transducer is placed on the apical impulse
- Depth: 14-18 cm
- Orientation marker at 10 o’clock (Right shoulder)

**APLAX: Apical 5 Chambers**
- Transducer orientation towards the left side
- The transducer axis must be oriented towards the left shoulder
- Bent knees

**4CH: by Subcostal view**
- Transducer orientation towards the left side
- The transducer axis must be oriented towards the left shoulder
- The neck must be in hyper-extension

**Suprasternal**
- Put the orientation marker towards the left side
- The transducer axis must be oriented towards the heart’s bases
- The neck must be in hyper-extension

---

**Scan planes**

**Acoustic windows**
- PLAX an SAX
- A4C, A2C, APLAX, ASC
- A4C: by Subcostal view
- Suprasternal

**Scan planes**
- Long axis
- Short axis
- Four-chamber

**Aortic Valve Level: Big vessels**
Orientation towards superior section (Basal vessels)

---

**Index**
- AA: Ascending Aorta
- AV: Aortic Valve
- AW: Anterior Wall
- DA: Descending Aorta
- DTA: Descending Tract Aorta
- IIV: Infero-lateral Wall
- IVC: Inferior Vena Cava
- IVE: Inter Ventricle Septum
- LA: Left Atrium
- LCPP: Left Lower Pulmonary Vein
- LV: Left Ventrixcel
- LVOP: Left Ventricular Outflow
- LVPW: Left Ventricular Posteri- or Wall
- MV: Mitral Valve
- PA: Pulmonary Artery
- PW: Posterior Wall
- RA: Right Atrium
- RP: Right Pulmonary Artery
- RUPV: Right Upper Pulmonary Vein
- RV: Right Ventricule
- RVOP: Right Ventricular Outflow
- TV: Tricuspid Valve